

HR501CD110

Miniature relay with LED state indicator and mechanical actuator, 110VDC, 16A, 1C/O contact. Fitting on socket HR5XS2... (max 10A)



MINIATURE
 RELAYS
 HR501C

Product designation

Product type designation

Contact characteristics

Contact configuration	1 C/O		
Rated insulation voltage Ui IEC/EN	V		250
Rated impulse withstand voltage Uimp	kV		6
IEC Conventional free air thermal current Ith	A		16
Maximum instantaneous current	A		20
Rated current (In)	A		16
Relay control voltage	V		110VDC
Max contrrollable power in			

AC-1	W	4000
AC-15	VA	150

Rated operating power AC-1	VA	4000
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Rated operating power AC-15	230 VAC	VA	150
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Single-phase motor control	230VAC	kW	0.1
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Rated operating current DC-1	30V	A	12
	110V	A	0.3
	220V	A	0.1

Minimum switching load	V / mA	5 / 100
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Contact impedance	mΩ	100
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Contact material	Ag/Ni		
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Operating times

Closing	ms	<15
Opening	ms	<15

Operations

Mechanical life	cycles	10000000
Electrical life AC1	cycles	50000

Coil characteristics

Average coil consumption AC at 20°C	VA	1
Average coil consumption DC at 20°C	W	0.4

Operating range	Closing	% Un	75...110
	Opening	% Un	10...30

Maximum cycle frequency	cycles/h	3600
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Mechanical features

Max socket terminal tightening torque	Nm	0.6
Socket screw tightening tool (cross / flat blade)	PH1 / 4.5mm	

Conductor section

AWG/Kcmil

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	min	20	
	max	14	
IEC			
	min	mm ²	0.5
	max	mm ²	2.5
Operating position			
	normal	Any	
Fixing		On 35mm DIN rail and with screw	

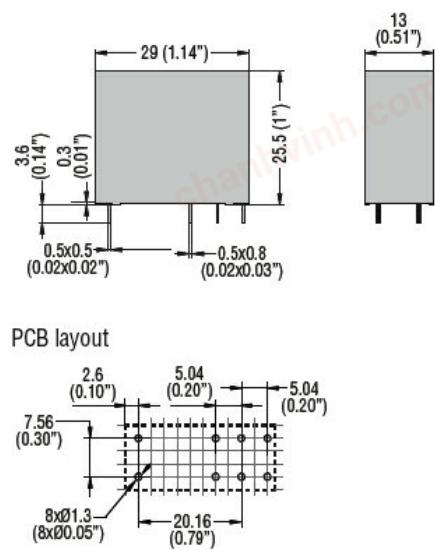
Ambient conditions

Temperature			
Operating temperature			
	min	°C	-40
	max	°C	+70
Storage temperature			
	min	°C	-40
	max	°C	+85

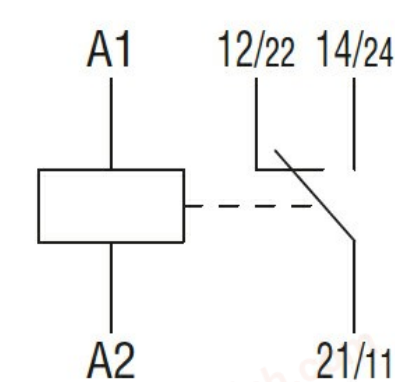
Other features

Indication	Yes
Mechanical contact position indicator	Yes
Mechanical test actuator	Yes

Dimensions



Wiring diagrams



Certifications and compliance



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Compliance	IEC/EN 61810
Certificates	CSA
	cURus
	EAC
	VDE
ETIM classification	
ETIM 8.0	EC001437 - Switching relay